

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An authoring apparatus for creating a multimedia file as a source file with respect to a multimedia product, comprising:

an editor for loading a graphics file, an audio file, and a text file which are selected from respective file positions in a computer, generating an audio file in response to a first control signal for controlling the start and end of audio, and reproducing the graphics file and the text file in response to second and third control signals which are generated in synchronization with the reproduction of the audio file, respectively;

a control signal generator for checking reproduction time information on the loaded audio file and generating the first through third control signals;

a storage unit for storing a graphic image and audio and text data, which are reproduced by the editor; and

a multimedia file generator for generating the stored data as a single multimedia file using a predetermined format,

wherein the editor comprises:

an audio reproducer for reproducing an audio file in response to the first control signal;

a continuous image list creator for creating an image list in a predetermined order set by a user with respect to sequentially loaded graphics files;

a graphic reproducer for sequentially displaying the images registered in the image list one by one in response to the second control signal, said image list displayed on a graphic window on a screen for interfacing with a user;

a text aligner for automatically aligning text in a loaded text file in predetermined units;
and

a text reproducer for displaying the aligned text on the text window on the screen in the predetermined units in response to the third control signal, and

wherein the predetermined units are units of lines determined by a number of pixels set by a user.

2. (original): The apparatus of claim 1, wherein the graphics file, the audio file, and the text file are selected from their respective file positions in a computer designated by a user.

3. (canceled).

4. (canceled).

5. (currently amended): An authoring apparatus for creating a multimedia file as a source file with respect to a multimedia product, comprising:

an editor for loading a graphics file, an audio file, and a text file which are selected from respective file positions in a computer, generating an audio file in response to a first control signal for controlling the start and end of audio, and reproducing the graphics file and the text file in response to second and third control signals which are generated in synchronization with the reproduction of the audio file, respectively;

a control signal generator for checking reproduction time information on the loaded audio file and generating the first through third control signals;

a storage unit for storing a graphic image and audio and text data, which are reproduced by the editor; and

a multimedia file generator for generating the stored data as a single multimedia file using a predetermined format~~The apparatus of claim 3,~~

wherein the editor comprises:

an audio reproducer for reproducing an audio file in response to the first control signal;

a continuous image list creator for creating an image list in a predetermined order set by a user with respect to sequentially loaded graphics files;

a graphic reproducer for sequentially displaying the images registered in the image list one by one in response to the second control signal, said image list displayed on a graphic window on a screen for interfacing with a user;

a text aligner for automatically aligning text in a loaded text file in predetermined units;
and

a text reproducer for displaying the aligned text on the text window on the screen in the predetermined units in response to the third control signal, and

wherein the control signal generator checks a reproduction time duration of an audio file, the number of graphic images to be displayed throughout the reproduction time duration, and the number of lines of the aligned texts, calculates a time duration for which an image and current text are continuously displayed, and automatically generates first through third control signals when the control signal generator is set to be in an automatic mode.

6. (currently amended): The apparatus of claim 31, wherein the control signal generator generates the first through third control signals at time intervals desired by a user when the control signal generator is set to be in a manual mode.

7. (original): The apparatus of claim 1, further comprising a simulator for reproducing a multimedia file directly created by a user through a file generator on a screen for interfacing with the user.

8. (original): The apparatus of claim 1, wherein the predetermined format is synchronized multimedia integration language (SMIL).

9. (currently amended): An authoring method for creating a single multimedia file as a source file with respect to a multimedia product, comprising the steps of:

(a) loading a graphics file, an audio file, and a text file selected from a respective file position in a computer;

(b) reproducing the audio file and reproducing the graphic and text files in synchronization with the audio reproduction when the user selects an audio reproduction starting button provided on a screen for interfacing with a user;

(c) storing a reproduced graphic image and audio and text data; and

(d) generating the stored data as the single multimedia file using a predetermined format,

wherein the step (b) comprises the steps of:

(b1) creating an image list of sequentially loaded graphics files in an order predetermined by the user and aligning text in a loaded text file in predetermined units of lines according to a number of pixels determined by the user;

(b2) reproducing an audio file and displaying an initial graphic image and the text of an initial line in synchronization with the audio reproduction; and

(b3) sequentially displaying the next image registered in the image list and the next text in units of lines at previously set time intervals in synchronization with the audio reproduction.

10. (original): The method of claim 9, wherein the graphics file, the audio file, and the text file are selected from their respective file positions in a computer designated by a user.

11. (canceled).

12. (currently amended): An authoring method for creating a single multimedia file as a source file with respect to a multimedia product, comprising the steps of:

(a) loading a graphics file, an audio file, and a text file selected from a respective file position in a computer;

(b) reproducing the audio file and reproducing the graphic and text files in synchronization with the audio reproduction when the user selects an audio reproduction starting button provided on a screen for interfacing with a user;

(c) storing a reproduced graphic image and audio and text data; and

(d) generating the stored data as the single multimedia file using a predetermined format~~The method of claim 9,~~

wherein the step (b) comprises:

(b1) creating an image list of sequentially loaded graphics files in an order predetermined by the user and aligning text in a loaded text file in predetermined units of lines according to a number of pixels determined by the user;

(b2) reproducing an audio file and displaying an initial graphic image and the text of an initial line in synchronization with the audio reproduction; and

(b3) sequentially displaying the next image registered in the image list and the next text in units of lines when the user selects a conversion into a next image button and a conversion into next text button.

13. (original): The method of claim 12, wherein in step (b3), the conversion into next image button and the conversion into next text button are provided on the screen.

14. (original): The method of claim 9, wherein in the step (d), the predetermined format is SMIL